

an ISO 9001 : 2008 company

Anjani Portland Cement Limited



Anjani Cement Clean Cement Green Cement

Awarded as the 'fastest growing cement company', Anjani Portland Cement Limited is an ISO 9001 : 2008 company with millions of happy customers in south India, Maharashtra and Orissa apart from Andhra Pradesh. With elaborate and ever increasing dealer network system, Anjani Cement meets the requirement of all OPC and PPC construction needs.

With 'the best' rated lime stone reserves, and the production plant with LP cyclones and ONODA Japan Technology calciner, the company produces superior quality Portland Pozzolana Cement (PPC) that out-performs all the set quality norms. The rigorous quality control procedure with X-Ray Analyzer at Anjani Cement plant conducts hourly quality tests of the cement produced.

What are **OPC** and **PPC** ?

When the clinker is ground with a preset limited amount of gypsum into a very fine powder, it is OPC. PPC is obtained when Pozzolana (flyash) is interground with cement clinker and gypsum to particle level measuring above 300 m²/kg.



Why Anjani **PPC** is a preferred choice

- Heat of hydration is 30% less than OPC, and offers great resistance to the attack of aggressive water containing sulphates and chlorides.
- The flyash in PPC helps to improve the impermeability of concrete by converting Ca(OH)_2 into Calcium silicate hydrate (C-S-H) gel and make concrete denser. Therefore low porosity.
- Especially suitable for works in aggressive environmental conditions, employed for water retaining structures, marine works, mass concreting such as dams, dykes, retaining walls, foundations and sewage pipes.
- PPC provides improved workability, has less segregation and bleeding, increased water-tightness and reduced tendency of lime to leach out.
- It improves the durability of structure, and also the strength of concrete over a period of time.
- It protects concrete against alkali-aggregate reaction.
- PPC can be used with advantage for masonry mortars and plastering.
- PPC can be used wherever OPC is usable under normal conditions.
- As per IS 456:2000, a minimum curing period of 10 days is prescribed for PPC.
- PPC accounts for nearly 50 percent of the cement produced in the country.
- Reduces thermal cracks due to less heat of hydration.
- Gives smoother finish to structures.
- High compressive strength. Gains strength upto one year unlike OPC.

Application for Anjani **PPC**

- Anjani PPC is used in mass concrete works like dams, spillways, retaining walls where OPC is not suitable
- All types of RCC work
- For underground structures & bridges
- All general building works
- Hydro- power stations
- Dams, roller compacted concrete etc.
- Columns, Beam, Slab and all structural works
- Brick and stone masonry, plastering and flooring
- PPC is used extensively for cement concrete roads



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